**BILL OF MATERIALS**

**SCALE:** 1” = 2'

**DATE:** 3-25-05

**REVISED:**

**DRAWN BY:** CAS

**APPROVED BY:** GJS

**SHEET 1/2**

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**NOTES:**

1. SET VALVE BOX AND VAULT TO FINISH GRADE. SEE P.U.D. VALVE BOX DETAIL.
2. SEAL VAULT LIDS AND RISERS OF VAULT WITH 3/4” Wide Joint Mastic.
3. INSTALL 3” PVC PIPE TO DRINK TO DAYLIGHT IF POSSIBLE.
4. INSTALL SERVICE PIPE PERPENDICULAR TO MAIN OR AS SHOWN ON WATER PLANS APPROVED BY DISTRICT ENGINEER. USE ELS, 3/4” J.W.L. AS NEEDED, TO MEET ELEVATION OF VAULT.
5. TEE, VALVE AND PIPE MUST BE WRAPPED WITH 8 MIL POLYETHYLENE PIPE ENCASMENT. IT IS TO BE INSTALLED AS PER D.U.P.R.A. AND IN ACCORDANCE WITH A.W.W.A. C105.
7. SET VAULT ON MIN. 6” OF 3/4” MINUS CRUSHED GRAVEL, MECHANICALLY TAMPED TO 95% COMPACTION.
8. FLUSH OUT PIPELINE BEFORE INSTALLING WATER. DO NOT ALLOW ANY MUD OR FOREIGN MATERIAL TO ENTER PIPE OR FITTINGS.
9. IF CONNECTION IS NOT COMPLETED TO CUSTOMER’S PIPE, INSTALL M.J.L. TAP 2”, CAP OVER OPEN END OF PIPE OR PLUG, TAP 2”, IN VALVE AND FLUSH OUT PIPE AND METER. MAKE WATER TIGHT.
10. METER SENSING PAD IS TO BE LOCATED WITHIN 6” OF HINGE ON VAULT LID AT STREET (INLET) END OF VAULT.
11. NON-SHRINK GROUT/FOAM AROUND PIPE, MAKE WATER TIGHT.
12. 2” BALL VALVES SHALL BE LOCKED UPON INSTALLATION W/P.U.D.—SUPPLIED PADLOCKS.
13. CONCRETE BLOCK OR EQUIVALENT UNDER VALVE TO KEEP VALVE FACE VERTICAL DURING INSTALLATION.
14. A SHUT-OFF VALVE SHALL BE INSTALLED ON CUSTOMER'S PLUMBING AFTER DISTRICT’S METER, PER U.P.C. SUCH VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

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**STANDARD INSTALLATION OF 4” TURBINE METERED SERVICE PLAN VIEW**

**PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER**

APPROVED ON: MAY 16, 2014

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**STANDARD**

**WS4-2a**

**SCALE:** 1” = 2’

**DATE:** 3-25-05

**REVISED:** 5/16/14

**DRAWN BY:** CAS

**APPROVED BY:** GJS

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**PUDIT**

**PUBLIC UTILITY DISTRICT**

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**APPENDIX**

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